

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/577, 642  
Source: TFw0  
Date Processed by STIC: 05/12/2006

***ENTERED***

CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/577, 642

CRF Edit Date: 05/12/2006  
Edited by: DA

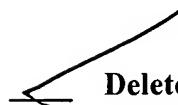
— Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

— Corrected the SEQ ID NO. Sequence numbers edited were:

---

— Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

---

 Deleted: \_\_\_\_\_ invalid beginning/end-of-file text ; \_\_\_\_\_ page numbers

— Inserted mandatory headings/numeric identifiers, specifically:

---

— Moved responses to same line as heading/numeric identifier, specifically:

---

— Other:

---

---

---



IFWO

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/577,642

DATE: 05/12/2006  
TIME: 10:59:52

Input Set : A:\pto.da.txt  
Output Set: N:\CRF4\05122006\J577642.raw

4 <110> APPLICANT: Aukerman, Lea  
5 Long, Li  
6 Luqman, Mohammad  
7 Yabannavar, Asha  
8 Zaror, Isabel  
10 <120> TITLE OF INVENTION: Use of Antagonist Anti-CD40 Monoclonal  
11 Antibodies for Treatment of Chronic Lymphocytic Leukemia  
14 <130> FILE REFERENCE: PP22708.002 (284267)  
C--> 16 <140> CURRENT APPLICATION NUMBER: US/10/577,642  
C--> 16 <141> CURRENT FILING DATE: 2006-01-05  
16 <150> PRIOR APPLICATION NUMBER: 60/611,794  
17 <151> PRIOR FILING DATE: 2004-09-21  
19 <150> PRIOR APPLICATION NUMBER: 60/565,710  
20 <151> PRIOR FILING DATE: 2004-04-27  
22 <150> PRIOR APPLICATION NUMBER: 60/525,579  
23 <151> PRIOR FILING DATE: 2003-11-26  
25 <150> PRIOR APPLICATION NUMBER: 60/517,337  
26 <151> PRIOR FILING DATE: 2003-11-04  
28 <160> NUMBER OF SEQ ID NOS: 12  
30 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
32 <210> SEQ ID NO: 1  
33 <211> LENGTH: 720  
34 <212> TYPE: DNA  
35 <213> ORGANISM: Artificial Sequence  
37 <220> FEATURE:  
38 <223> OTHER INFORMATION: Coding sequence for light chain of CHIR-12.12  
39 human anti-CD40 antibody  
W--> 41 <221> NAME/KEY: CDS  
42 <222> LOCATION: (1)...(720)  
W--> 44 <400> 1  
45 atg gcg ctc cct gct cag ctc ctg ggg ctg cta atg ctc tgg gtc tct 48  
46 Met Ala Leu Pro Ala Gln Leu Leu Gly Leu Leu Met Leu Trp Val Ser  
47 1 5 10 15  
49 gga tcc agt ggg gat att gtg atg act cag tct cca ctc tcc ctg acc 96  
50 Gly Ser Ser Gly Asp Ile Val Met Thr Gln Ser Pro Leu Ser Leu Thr  
51 20 25 30  
53 gtc acc cct gga gag ccg gcc tcc atc tcc tgc agg tcc agt cag agc 144  
54 Val Thr Pro Gly Glu Pro Ala Ser Ile Ser Cys Arg Ser Ser Gln Ser  
55 35 40 45  
57 ctc ctg tat agt aat gga tac aac tat ttg gat tgg tac ctg cag aag 192  
58 Leu Leu Tyr Ser Asn Gly Tyr Asn Tyr Leu Asp Trp Tyr Leu Gln Lys  
59 50 55 60  
61 cca ggg cag tct cca cag gtc ctg atc tct ttg ggt tct aat cgg gcc 240

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62	Pro	Gly	Gln	Ser	Pro	Gln	Val	Leu	Ile	Ser	Leu	Gly	Ser	Asn	Arg	Ala	
63	65				70					75						80	
65	tcc	ggg	gtc	cct	gac	agg	ttc	agt	ggc	agt	gga	tca	ggc	aca	gat	ttt	288
66	Ser	Gly	Val	Pro	Asp	Arg	Phe	Ser	Gly	Ser	Gly	Ser	Gly	Thr	Asp	Phe	
67					85					90						95	
69	aca	ctg	aaa	atc	agc	aga	gtg	gag	gct	gag	gat	gtt	ggg	gtt	tat	tac	336
70	Thr	Leu	Lys	Ile	Ser	Arg	Val	Glu	Ala	Glu	Asp	Val	Gly	Val	Tyr	Tyr	
71					100					105						110	
73	tgc	atg	caa	gct	cga	caa	act	cca	tcc	act	ttc	ggc	cct	ggg	acc	aaa	384
74	Cys	Met	Gln	Ala	Arg	Gln	Thr	Pro	Phe	Thr	Phe	Gly	Pro	Gly	Thr	Lys	
75					115					120						125	
77	gtg	gat	atc	aga	cga	act	gtg	gct	gca	cca	tct	gtc	ttc	atc	ttc	ccg	432
78	Val	Asp	Ile	Arg	Arg	Thr	Val	Ala	Ala	Pro	Ser	Val	Phe	Ile	Phe	Pro	
79					130					135						140	
81	cca	tct	gat	gag	cag	ttg	aaa	tct	gga	act	gcc	tct	gtt	gtg	tgc	ctg	480
82	Pro	Ser	Asp	Glu	Gln	Leu	Lys	Ser	Gly	Thr	Ala	Ser	Val	Val	Cys	Leu	
83	145					150					155					160	
85	ctg	aat	aac	tcc	tat	ccc	aga	gag	gcc	aaa	gta	cag	tgg	aag	gtg	gat	528
86	Leu	Asn	Asn	Phe	Tyr	Pro	Arg	Glu	Ala	Lys	Val	Gln	Trp	Lys	Val	Asp	
87					165					170						175	
89	aac	gcc	ctc	caa	tcg	ggt	aac	tcc	cag	gag	agt	gtc	aca	gag	cag	gac	576
90	Asn	Ala	Leu	Gln	Ser	Gly	Asn	Ser	Gln	Glu	Ser	Val	Thr	Glu	Gln	Asp	
91					180					185						190	
93	agc	aag	gac	agc	acc	tac	agc	ctc	agc	acc	ctg	acg	ctg	agc	aaa		624
94	Ser	Lys	Asp	Ser	Thr	Tyr	Ser	Leu	Ser	Ser	Thr	Leu	Thr	Leu	Ser	Lys	
95					195					200						205	
97	gca	gac	tac	gag	aaa	cac	aaa	gtc	tac	gcc	tgc	gaa	gtc	acc	cat	cag	672
98	Ala	Asp	Tyr	Glu	Lys	His	Lys	Val	Tyr	Ala	Cys	Glu	Val	Thr	His	Gln	
99					210					215						220	
101	ggc	ctg	agc	tcg	ccc	gtc	aca	aag	agc	tcc	aac	agg	gga	gag	tgt	tag	720
102	Gly	Leu	Ser	Ser	Pro	Val	Thr	Lys	Ser	Phe	Asn	Arg	Gly	Glu	Cys	*	
103	225				230					235							
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108	<211> LENGTH: 239																
109	<212> TYPE: PRT																
110	<213> ORGANISM: Artificial Sequence																
112	<220> FEATURE:																
113	<223> OTHER INFORMATION: Light chain of CHIR-12.12 human anti-CD40 antibody																
115	<400> SEQUENCE: 2																
116	Met	Ala	Leu	Pro	Ala	Gln	Leu	Leu	Gly	Leu	Leu	Met	Leu	Trp	Val	Ser	
117	1				5					10						15	
118	Gly	Ser	Ser	Gly	Asp	Ile	Val	Met	Thr	Gln	Ser	Pro	Leu	Ser	Leu	Thr	
119					20					25						30	
120	Val	Thr	Pro	Gly	Glu	Pro	Ala	Ser	Ile	Ser	Cys	Arg	Ser	Ser	Gln	Ser	
121					35					40						45	
122	Leu	Leu	Tyr	Ser	Asn	Gly	Tyr	Asn	Tyr	Leu	Asp	Trp	Tyr	Leu	Gln	Lys	
123					50					55						60	
124	Pro	Gly	Gln	Ser	Pro	Gln	Val	Leu	Ile	Ser	Leu	Gly	Ser	Asn	Arg	Ala	
125	65				70					75						80	

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/577,642

DATE: 05/12/2006  
TIME: 10:59:52

Input Set : A:\pto.da.txt  
Output Set: N:\CRF4\05122006\J577642.raw

126 Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe  
127 85 90 95  
128 Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr  
129 100 105 110  
130 Cys Met Gln Ala Arg Gln Thr Pro Phe Thr Phe Gly Pro Gly Thr Lys  
131 115 120 125  
132 Val Asp Ile Arg Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro  
133 130 135 140  
134 Pro Ser Asp Glu Gln Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu  
135 145 150 155 160  
136 Leu Asn Asn Phe Tyr Pro Arg Glu Ala Lys Val Gln Trp Lys Val Asp  
137 165 170 175  
138 Asn Ala Leu Gln Ser Gly Asn Ser Gln Glu Ser Val Thr Glu Gln Asp  
139 180 185 190  
140 Ser Lys Asp Ser Thr Tyr Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys  
141 195 200 205  
142 Ala Asp Tyr Glu Lys His Lys Val Tyr Ala Cys Glu Val Thr His Gln  
143 210 215 220  
144. Gly Leu Ser Ser Pro Val Thr Lys Ser Phe Asn Arg Gly Glu Cys  
145 225 230 235  
148 <210> SEQ ID NO: 3  
149 <211> LENGTH: 2016  
150 <212> TYPE: DNA  
151 <213> ORGANISM: Artificial Sequence  
153 <220> FEATURE:  
154 <223> OTHER INFORMATION: Coding sequence for heavy chain of CHIR-12.12  
155 human anti-CD40 antibody (with introns)  
157 <400> SEQUENCE: 3  
158 atggagtttggctgagctggttttccttggcttatttaaagggtgtccagtgtcag 60  
159 gtgcagttgg tggagttctgg gggaggcggtgtccagcgtggaggtccctgagactctcc 120  
160 tggcagcccttggattcacatccgtatggcatgtactgggtcccgccaggctcca 180  
161 ggcaaggggc tggagttgggtggcagttataatcatatgaggaaatgtatagataccatgca 240  
162 gactccgtgaaaggccgattcaccatctccagagacaattccaagatcacgctgtatctg 300  
163 ccaaataacaacgcctcagaacatggacacgtgtgttactgtcgagagatgggggt 360  
164 atagcagcacatggccctgatctggggc cagggaaaccctggtcaccgtctcctcagca 420  
165 agtaccaaggccccatccgttctccctggcgcggcgcta gcaagagcacctctgggggc 480  
166 acagcggccc tgggctgcctggtaaggacatctcccg aaccggtgacgggtcgatgg 540  
167 aactcaggcgccctgaccatggcggtgcacacctcccgctgtcctacagtctcagga 600  
168 ctctactccc tcaagcagcgtggtgcacccgtgcctccagca gcttgggcacccagacctac 660  
169 atctgcaacgtgaatcacaa gcccagcaaccacaggatggacaagagagtggatgg 720  
170 ccagcacagg gaggagggtgtctgttgcacccaggctcagcgtctccgtccggacgc 780  
171 tcccgctatgcagttccagtccaggcgacaaaggcaggccgtctgtcccttcacccg 840  
172 gaggcctctgccccatccatgtctcgtggatggagggtcttgcgtttttcccccaggc 900  
173 tctggcaggcacaggctatgtccccctaa cccaggccctgcacacaaaggccggatgg 960  
174 tgggctcaga cctgccaaga gcccataccggaggaccctgcctgacc taagcccacc 1020  
175 ccaaaggcca aactctccatccctcagctggacacccctctctcccttccatccatcc 1080  
176 aactccaaatcttctctgtcagagccaaatcttgcacaaaactcacaatgcacc 1140  
177 gtgcccaggtaagccagccccaggcctcgccctccagctcaaggcgggacaatggcccttag 1200  
178 attagcctgcatccaggagcaggccccaggcgtgaacgtccaccatccatcttctt 1260

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/577,642

DATE: 05/12/2006  
TIME: 10:59:52

Input Set : A:\pto.da.txt  
Output Set: N:\CRF4\05122006\J577642.raw

179 cctcagcacc tgaactcctg gggggaccgt cagtcttctt cttccccca aaacccaagg 1320  
 180 acaccctcat gatctcccg acccctgagg tcacatgcgt ggtgggtggac gtgagccacg 1380  
 181 aagaccctga ggtcaagttc aactggtaacg tggacggcgt ggaggtgcac aatgccaaga 1440  
 182 ccaaagccgcg ggaggagcag tacaacagca cgtaccgtgt ggtcagcgtc ctcaccgtcc 1500  
 183 tgcaccagga ctggctgaat ggcaaggagt acaagtgcac ggtctccaaac aaagccctcc 1560  
 184 cagccccat cgagaaaaacc atctccaaag ccaaagggtgg gaccctgtgg gtgcgagggc 1620  
 185 cacatggaca gaggccggct cggcccaccc tctgcccgtga gagtgaccgc tgtaccaacc 1680  
 186 tctgtccctg cagggtggcc cggagaacca caggtgtaca ccctgcggccatcccgagg 1740  
 187 gagatgacca agaaccaggc cagcctgacc tgcctggta aaggcttcta tcccgagcgc 1800  
 188 atcgccgtgg agtgggagag caatggcag ccggagaaca actacaagac cacgcctccc 1860  
 189 gtcgtggact ccgacggctc cttcttcctc tatagcaagc tcaccgtgg caagagcagg 1920  
 190 tggcagcagg ggaacgtctt ctcatgctcc gtgatgcac aggctctgca caaccactac 1980  
 191 acgcagaaga gcctctccct gtctccgggt aaatga 2016  
 193 <210> SEQ ID NO: 4  
 194 <211> LENGTH: 469  
 195 <212> TYPE: PRT  
 196 <213> ORGANISM: Artificial Sequence  
 198 <220> FEATURE:  
 199 <223> OTHER INFORMATION: Heavy chain of CHIR-12.12 human anti-CD40 antibody  
 201 <400> SEQUENCE: 4  
 202 Met Glu Phe Gly Leu Ser Trp Val Phe Leu Val Ala Ile Leu Arg Gly  
 203 1 5 10 15  
 204 Val Gln Cys Gln Val Gln Leu Val Glu Ser Gly Gly Val Val Gln  
 205 20 25 30  
 206 Pro Gly Arg Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe  
 207 35 40 45  
 208 Ser Ser Tyr Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu  
 209 50 55 60  
 210 Glu Trp Val Ala Val Ile Ser Tyr Glu Glu Ser Asn Arg Tyr His Ala  
 211 65 70 75 80  
 212 Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Ile  
 213 85 90 95  
 214 Thr Leu Tyr Leu Gln Met Asn Ser Leu Arg Thr Glu Asp Thr Ala Val  
 215 100 105 110  
 216 Tyr Tyr Cys Ala Arg Asp Gly Gly Ile Ala Ala Pro Gly Pro Asp Tyr  
 217 115 120 125  
 218 Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly  
 219 130 135 140  
 220 Pro Ser Val Phe Pro Leu Ala Pro Ala Ser Lys Ser Thr Ser Gly Gly  
 221 145 150 155 160  
 222 Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val  
 223 165 170 175  
 224 Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe  
 225 180 185 190  
 226 Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val  
 227 195 200 205  
 228 Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val  
 229 210 215 220  
 230 Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys Arg Val Glu Pro Lys

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/577,642

DATE: 05/12/2006  
TIME: 10:59:52

Input Set : A:\pto.da.txt  
Output Set: N:\CRF4\05122006\J577642.raw

231 225 230 235 240  
 232 Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu  
 233 245 250 255  
 234 Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr  
 235 260 265 270  
 236 Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val  
 237 275 280 285  
 238 Ser His Glu Asp Pro Glu Val Lys Phe Asp Trp Tyr Val Asp Gly Val  
 239 290 295 300  
 240 Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Gln Tyr Asn Ser  
 241 305 310 315 320  
 242 Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu  
 243 325 330 335  
 244 Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala  
 245 340 345 350  
 246 Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro  
 247 355 360 365  
 248 Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met Thr Lys Asn Gln  
 249 370 375 380  
 250 Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala  
 251 385 390 395 400  
 252 Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr  
 253 405 410 415  
 254 Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu  
 255 420 425 430  
 256 Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser  
 257 435 440 445  
 258 Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser  
 259 450 455 460  
 260 Leu Ser Pro Gly Lys  
 261 465  
 264 <210> SEQ ID NO: 5  
 265 <211> LENGTH: 469  
 266 <212> TYPE: PRT  
 267 <213> ORGANISM: Artificial Sequence  
 269 <220> FEATURE:  
 270 <223> OTHER INFORMATION: Heavy chain of variant of CHIR-12.12 human  
 271 anti-CD40 antibody  
 273 <400> SEQUENCE: 5  
 274 Met Glu Phe Gly Leu Ser Trp Val Phe Leu Val Ala Ile Leu Arg Gly  
 275 1 5 10 15  
 276 Val Gln Cys Gln Val Gln Leu Val Glu Ser Gly Gly Val Val Gln  
 277 20 25 30  
 278 Pro Gly Arg Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe  
 279 35 40 45  
 280 Ser Ser Tyr Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu  
 281 50 55 60  
 282 Glu Trp Val Ala Val Ile Ser Tyr Glu Glu Ser Asn Arg Tyr His Ala  
 283 65 70 75 80

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/577,642

DATE: 05/12/2006

TIME: 10:59:53

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\05122006\J577642.raw

L:16 M:270 C: Current Application Number differs, Replaced Current Application No  
L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:41 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:44 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1  
L:533 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:9  
L:634 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:11

**Raw Sequence Listing before editing,  
for reference only**



IFWO

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/577,642

DATE: 05/11/2006  
TIME: 11:01:38

Input Set : A:\seqlst.txt  
Output Set: N:\CRF4\05112006\J577642.raw

4 <110> APPLICANT: Aukerman, Lea  
5 Long, Li  
6 Luqman, Mohammad  
7 Yabannavar, Asha  
8 Zaror, Isabel  
10 <120> TITLE OF INVENTION: Use of Antagonist Anti-CD40 Monoclonal  
11 Antibodies for Treatment of Chronic Lymphocytic Leukemia  
14 <130> FILE REFERENCE: PP22708.002 (284267)  
C--> 16 <140> CURRENT APPLICATION NUMBER: US/10/577,642  
C--> 16 <141> CURRENT FILING DATE: 2006-05-01  
16 <150> PRIOR APPLICATION NUMBER: 60/611,794  
17 <151> PRIOR FILING DATE: 2004-09-21  
19 <150> PRIOR APPLICATION NUMBER: 60/565,710  
20 <151> PRIOR FILING DATE: 2004-04-27  
22 <150> PRIOR APPLICATION NUMBER: 60/525,579  
23 <151> PRIOR FILING DATE: 2003-11-26  
25 <150> PRIOR APPLICATION NUMBER: 60/517,337  
26 <151> PRIOR FILING DATE: 2003-11-04  
28 <160> NUMBER OF SEQ ID NOS: 12  
30 <170> SOFTWARE: FastSEQ for Windows Version 4.0

Does Not Comply  
Corrected Diskette Needed

(pg-2)

## ERRORED SEQUENCES

708 <210> SEQ ID NO: 12  
709 <211> LENGTH: 277  
710 <212> TYPE: PRT  
711 <213> ORGANISM: Homo sapiens  
713 <400> SEQUENCE: 12  
714 Met Val Arg Leu Pro Leu Gln Cys Val Leu Trp Gly Cys Leu Leu Thr  
715 1 5 10 15  
716 Ala Val His Pro Glu Pro Pro Thr Ala Cys Arg Glu Lys Gln Tyr Leu  
717 20 25 30  
718 Ile Asn Ser Gln Cys Cys Ser Leu Cys Gln Pro Gly Gln Lys Leu Val  
719 35 40 45  
720 Ser Asp Cys Thr Glu Phe Thr Glu Thr Glu Cys Leu Pro Cys Gly Glu  
721 50 55 60  
722 Ser Glu Phe Leu Asp Thr Trp Asn Arg Glu Thr His Cys His Gln His  
723 65 70 75 80  
724 Lys Tyr Cys Asp Pro Asn Leu Gly Leu Arg Val Gln Gln Lys Gly Thr  
725 85 90 95  
726 Ser Glu Thr Asp Thr Ile Cys Thr Cys Glu Glu Gly Trp His Cys Thr  
727 100 105 110

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/577,642

DATE: 05/11/2006  
TIME: 11:01:38

Input Set : A:\seqlst.txt  
Output Set: N:\CRF4\05112006\J577642.raw

728 Ser Glu Ala Cys Glu Ser Cys Val Leu His Arg Ser Cys Ser Pro Gly  
729 115 120 125  
730 Phe Gly Val Lys Gln Ile Ala Thr Gly Val Ser Asp Thr Ile Cys Glu  
731 130 135 140  
732 Pro Cys Pro Val Gly Phe Phe Ser Asn Val Ser Ser Ala Phe Glu Lys  
733 145 150 155 160  
734 Cys His Pro Trp Thr Ser Cys Glu Thr Lys Asp Leu Val Val Gln Gln  
735 165 170 175  
736 Ala Gly Thr Asn Lys Thr Asp Val Val Cys Gly Pro Gln Asp Arg Leu  
737 180 185 190  
738 Arg Ala Leu Val Val Ile Pro Ile Ile Phe Gly Ile Leu Phe Ala Ile  
739 195 200 205  
740 Leu Leu Val Leu Val Phe Ile Lys Lys Val Ala Lys Lys Pro Thr Asn  
741 210 215 220  
742 Lys Ala Pro His Pro Lys Gln Glu Pro Gln Glu Ile Asn Phe Pro Asp  
743 225 230 235 240  
744 Asp Leu Pro Gly Ser Asn Thr Ala Ala Pro Val Gln Glu Thr Leu His  
745 245 250 255  
746 Gly Cys Gln Pro Val Thr Gln Glu Asp Gly Lys Glu Ser Arg Ile Ser  
747 260 265 270  
748 Val Gln Glu Arg Gln  
749 275  
E--> 751 12  
757 RTA01/2168232v1

→ deleted

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/577,642

DATE: 05/11/2006

TIME: 11:01:39

Input Set : A:\seqlst.txt

Output Set: N:\CRF4\05112006\J577642.raw

L:16 M:270 C: Current Application Number differs, Replaced Current Application No  
L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:41 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:44 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1  
L:533 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:9  
L:634 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:11  
L:751 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:12